



EDMUND G. BROWN JR.  
GOVERNOR



MATTHEW RODRIGUEZ  
SECRETARY FOR  
ENVIRONMENTAL PROTECTION

## State Water Resources Control Board

Division of Drinking Water

June 07, 2016

Peter Landucci, Environmental Engineer  
United States Forest Service (USFS)  
1839 S. Newcomb Street  
Porterville, CA 93257

RE: Failure to Conduct Lead and Copper Tap Sampling – USFS – Havilah Work Center Water System,  
Water System No. 1502572  
Citation No. 03\_19\_16C\_033

Dear Mr. Landucci:

The State Water Resources Control Board (hereinafter State Board), Division of Drinking Water has issued Citation No. 03\_19\_16C\_033, for failure to comply with the provisions of the California Health & Safety Code and Title 22, California Code of Regulations. Specifically, the USFS – Havilah Work Center Water System (hereinafter Water System) failed to conduct initial lead and copper tap sampling which was due September 30, 2013 (first round) and March 2014 (second round). The Citation is **enclosed**. By Directive No. 3 of the Citation, the Water System is required to conduct the first round of initial lead and copper tap sampling (consisting of five samples) by June 30, 2016, second round of initial sampling in December 2016, annual sampling in 2017 and 2018, and then triennial sampling starting from 2021.

The California Safe Drinking Water Act, Section 116577, provides for the State Board to be reimbursed by the public water system for costs incurred for preparing and issuing an enforcement action to that system. Therefore, the Water System has been billed for the preparation and issuance of this citation. The State Board's current billing rate for enforcement activities is \$153 per hour. The hourly rate is subject to review and change upon approval. You will receive a bill for these costs following the end of the State's fiscal year, from our Fee Billing Unit in Sacramento.

If you have any questions regarding this matter, please contact our office at (661) 335-7315.

Sincerely,

Jaswinder S. Dhaliwal, P.E.  
Senior Sanitary Engineer, Tehachapi District  
SOUTHERN CALIFORNIA BRANCH  
DRINKING WATER FIELD OPERATIONS

Enclosure: Citation No. 03\_19\_16C\_033

CC: Kern County Environmental Health Services Department (w/out enclosure)  
Cranmer Engineering Contract Sampler (via email)

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**STATE OF CALIFORNIA**  
**WATER RESOURCES CONTROL BOARD**  
**DIVISION OF DRINKING WATER**

**TO:** United States Forest Service (USFS) – Havilah Work Center Water System  
System No. 1502572

**Attn:** Peter Landucci, Environmental Engineer  
United States Forest Service  
1839 S. Newcomb Street  
Porterville, CA 93257

**CERTIFIED MAIL**

**CITATION FOR VIOLATION OF CALIFORNIA CODE OF REGULATIONS,  
TITLE 22, SECTIONS 64675(b)(2) AND 64675.5(a)(2)  
LEAD AND COPPER TAP SAMPLING  
USFS - HAVILAH WORK CENTER WATER SYSTEM  
WATER SYSTEM NO. 1502572  
C I T A T I O N N O. 03\_19\_16C\_033  
Issued on June 07, 2016**

**STATEMENT OF FACTS**

Section 116650 of the California Health and Safety Code (hereinafter “CHSC”) authorizes the issuance of a citation to a public water system for violation of the California Safe Drinking Water Act (Health and Safety Code, Division 104, Part 12, Chapter 4, commencing with Section 116270) (hereinafter “California SDWA”), or any regulation, standard, permit or order issued or adopted thereunder.

1  
2 United States Forest Service (USFS) – Havilah Work Center Water System (hereinafter  
3 Water System) is classified as a non-transient non-community water system and serves a  
4 population of approximately 28 persons through five service connections. The Water  
5 System has one active source of supply, Well 01 (Primary Station Code: 1502572-001), a  
6 20,000-gallon storage tank and distribution system. Well 01 is an artesian well and  
7 supplies water without any pumping equipment. No treatment is currently provided to the  
8 water produced by the well. Due to multiple total coliform MCL failures in 2015, the  
9 Water System was directed (Citation No. 03\_19\_16C-001) to install continuous  
10 chlorination treatment at the well. The chlorination treatment is in the process of being  
11 installed. Water System operates under the authority of Permit No. 03-19-13P-016, issued  
12 on August 6, 2013, by the Division of Drinking Water and Environmental Management,  
13 California Department of Public Health (now State Water Resources Control Board).  
14

15 The State Water Resources Control Board (hereinafter “State Board”), acting by and  
16 through its Division of Drinking Water (hereinafter “Division”) and the Deputy Director  
17 for the Division (hereinafter “Deputy Director”), hereby issues a citation to USFS -  
18 Havilah Work Center Water System (mailing address: 1839 Newcomb Street, Porterville,  
19 CA 93257) for failure to comply with the lead and copper tap sampling. Specifically, the  
20 Water System has violated the California Code of Regulations (CCR), Title 22, Section  
21 64675(b)(2) and Section 64675.5(a)(2).

- 22       • Under Provision No. 19 of the Water System’s August 6, 2013 domestic water  
23       supply permit, the Water System was directed to conduct initial tap sampling for  
24       lead and copper during the summer months of 2013 (June 1, 2013 – September 30,  
25       2013) at five (5) tap sampling sites to be followed by the second round of initial



1 sampling, within six months of the first round of sampling. As of the writing of  
2 this citation, the Water System has failed to conduct initial tap sampling  
3 monitoring.

- 4 • **USFS - Havilah Work Center Water System has failed to collect first round of**  
5 **initial lead and copper tap samples which were due by September 30, 2013,**  
6 **second round of initial lead and copper tap samples which were due in March**  
7 **2014, and first round of annual lead and copper tap samples which were due**  
8 **during the summer months (June thru September) of 2015 [Sections**  
9 **64675(b)(2) and 64675.5(a)(2), *Authorities*].**

#### 10 **AUTHORITIES**

11 **Section 116577 of the CHSC, states in relevant part:**

12 “(a) Each public water system shall reimburse the State Board for the actual costs  
13 incurred by the State Board for any of the following enforcement activities related to that  
14 water system:

- 15 (1) Preparing, issuing, and monitoring compliance with, an order or citation.
- 16 (2) Preparing, and issuing public notification
- 17 ...

18 (b) The State Board shall submit an invoice for these enforcement costs to the public  
19 water system that requires payment prior to September 1 of the fiscal year following the  
20 fiscal year in which the costs were incurred. The invoice shall indicate the total hours  
21 expended, the reasons for the expenditure, and the hourly cost rate of the State Board. The  
22 costs set forth in the invoice shall not exceed the total actual costs to the State Board of the  
23 enforcement activities specified in this section.”...

24 **Section 116650 of the California Health and Safety Code (hereinafter CHSC), states in**  
25 **relevant part:**

26 “(a) If the State Board determines that a public water system is in violation of this  
27 chapter or any regulation, permit, standard, or order issued or adopted thereunder, the State  
28 Board may issue a citation to the public water system. The citation shall be served upon  
29 the public water system personally or by certified mail. Service shall be deemed effective  
30 as of the date of personal service or the date of receipt of the certified mail. If a person to  
31 whom a citation is directed refuses to accept delivery of the certified mail, the date of  
32 service shall be deemed to be the date of mailing.



1 (b) Each citation shall be in writing and shall describe the nature of the violation or  
2 violations, including a reference to the statutory provision, standard, order, citation, permit,  
3 or regulation alleged to have been violated.

4  
5 (c) A citation may specify a date for elimination or correction of the condition constituting  
6 the violation.

7  
8 (d) A citation may include the assessment of a penalty as specified in subdivision (e).

9  
10 (e) The State Board may assess a penalty in an amount not to exceed one thousand dollars  
11 (\$1,000) per day for each day that a violation occurred, and for each day that a violation  
12 continues to occur. A separate penalty may be assessed for each violation.”

13  
14 **Section 116655 of the CHSC**, states in relevant part:

15 (a) Whenever the State Board determines that any person has violated or is violating  
16 this chapter, or any permit, regulation, or standard issued or adopted pursuant to this  
17 chapter, the director may issue an order doing any of the following:

- 18 (1) Directing compliance forthwith.  
19 (2) Directing compliance in accordance with a time schedule set by the State Board.  
20 (3) Directing that appropriate preventive action be taken in the case of a threatened  
21 violation.

22  
23 (b) An order issued pursuant to this section may include, but shall not be limited to,  
24 any or all of the following requirements:

- 25 (1) That the existing plant, works, or system be repaired, altered, or added to.  
26 (2) That purification or treatment works be installed.  
27 (3) That the source of the water supply be changed.  
28 (4) That no additional service connection be made to the system.  
29 (5) That the water supply, the plant, or the system be monitored.  
30 (6) That a report on the condition and operation of the plant, works, system, or  
31 water supply be submitted to the State Board.”

32  
33 **Section 64675 of Title 22 of the CCR**, states in relevant part:

34 “(a) During each period, each system shall conduct standard tap sampling by collecting one  
35 sample from the number of sites based on the number of people served specified in table  
36 64675-A under Standard Tap Sampling.

37  
38 (b) During each period, each system conducting reduced tap sampling shall collect at least  
39 one sample from the number of sites based on the number of people served specified in  
40 table 64675-A under Reduced Tap Sampling, as follows:

- 41 (1) The sites shall be representative of the sites required for standard tap sampling.  
42 (2) The samples shall be collected during the months of June, July, August, or  
43 September, unless the State Board approves an alternate set of four months based on a  
44 review of the system’s operations and lead and copper data, in which case the system shall  
45 initiate sampling during the alternate set of four months when directed in writing to do so  
46 by the Department, as follows:



- (A) No later than 21 months after the previous period, if sampling annually, or  
(B) No later than 45 months after the previous period, if sampling triennially.

<b>Table 64675-A</b>		
<b>Lead and Copper Tap Sampling Sites</b>		
<b>System Size</b>	<b>Standard Tap Sampling (Minimum Number of Sites)</b>	<b>Reduced Tap Sampling (Minimum Number of Sites)</b>
>100,000	100	50
10,001 – 100,000	60	30
3301 – 10,000	40	20
501 - 3300	20	10
101 - 500	10	5
<101	5	5

(c) Sample sites shall be selected pursuant to section 64676 (Sample Site Selection).“

**Section 64675.5 of Title 22 of the CCR**, states in relevant part:

“(a) A system shall conduct standard tap sampling for two consecutive periods; thereafter, tap sampling frequency may be reduced pursuant to section 64675 (General Requirements for Tap Sampling for Lead and Copper) as follows:

(1) If a system has 90<sup>th</sup> percentile levels that do not exceed 0.005 mg/L for lead and 0.65 mg/L for copper for two consecutive periods, it may reduce the sampling to once every three years at the reduced number of sites;

(2) For systems that do not meet the criteria in paragraph (1), after two consecutive periods with no action level exceedance, the frequency may be reduced to annually at the reduced number of sites, if the system receives written approval from the based on its review of the system’s data. After sampling for three years (including the initial sampling year) with no action level exceedance, the frequency may be reduced to once every three years at the reduced number of sites, if the system receives written approval from the State Board.”

### **DETERMINATIONS**

Based upon the above *Statement of Facts and Authorities*, the State Board has determined that the USFS - Havilah Work Center Water System has violated the following:

1. CCR, Title 22, Sections 64675(a)(2) and 64675(b)(2); Specifically, the Water System violated the lead and copper tap sampling regulations by failing to conduct



1 initial, and/or annual lead and copper tap sampling which was due in 2013, 2014,  
2 and 2015.

3  
4 The above violations are classified as non-continuing violations.

5  
6 **DIRECTIVES**

7 USFS - Havilah Work Center Water System is hereby directed to take the following  
8 actions:

- 9  
10 1. Cease and desist from failing to comply with Section 116555(a) of the California  
11 Health and Safety Code (CHSC) and Sections 64675(a)(2) and 64675.5(b)(2) of  
12 Title 22, California Code of Regulations.  
13  
14 2. By **June 17, 2016**, the Water System shall submit a written response to the State  
15 Board acknowledging receipt of the citation and steps it has taken or plan to take to  
16 comply with the lead and copper tap sampling.  
17  
18 3. As part of the initial sampling, the Water System shall collect five (5) lead and  
19 copper tap samples by **June 30, 2016**, to be analyzed for lead and copper, second  
20 round of initial sampling between December 1, 2016 and December 31, 2016, first  
21 round of annual sampling between June 1, 2017 and September 30, 2017, second  
22 round of annual sampling between June 1, 2018 and September 30, 2018, and  
23 triennial sampling afterwards starting 2021, provided there is no exceedance of  
24 action level for lead or copper. After conducting each round of monitoring, the  
25 Water System shall report the results to the State Board no later than the 10<sup>th</sup> day of  
26 the month following the sampling. A completed Form 141-AR (**Attachment A**)  
27 shall be submitted along with the results of each round of sampling.  
28  
29 4. By **June 30, 2016**, provide Tier 2 public notification of the current monitoring and  
30 reporting (M&R) violation to the persons served by the Water System, by using the  
31 attached template (**Attachment B**).



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5. Submit the attached (**Attachment C**) completed *Certification of Completion of Public Notification* Form to the State Board within 10 days of providing the public notification and no later than **July 10, 2016**.

6. All submittals required by this Citation shall be submitted to the State Board at the following address:

Jaswinder S. Dhaliwal, P.E.  
State Water Resources Control Board  
Division of Drinking Water, Tehachapi District  
4925 Commerce Drive, Suite 120  
Bakersfield, CA 93309

7. The Water System shall reimburse the State Board, in accordance with an invoice that shall be provided to the Water System, the costs for enforcement activities, and such reimbursement shall be made prior to September 1 (or by a different date if specified by the State Board) of the fiscal year following the fiscal year in which such costs are incurred as described in CHSC Sections 116577(a)(1-2) and 116577(b).

The State Board reserves the right to make such modifications to the Citation as it may deem necessary to protect public health and safety. Such modifications may be issued as amendments to this Citation and shall be effective upon issuance.

Nothing in this Citation relieves USFS - Havilah Work Center Water System of its obligation to meet the requirements of the California SDWA (CHSC, Division 104, Part 12, Chapter 4, commencing with Section 116270), or any regulation, standard, permit or order issued or adopted thereunder.



1 **PARTIES BOUND**

2 This Citation shall apply to and be binding upon the USFS - Havilah Work Center Water ,  
3 its owners, shareholders, officers, directors, agents, employees, contractors, successors,  
4 and assignees.

5  
6 **SEVERABILITY**

7 The Directives of this Citation are severable, and the USFS - Havilah Work Center Water  
8 System shall comply with each and every provision hereof, notwithstanding the  
9 effectiveness of any other provision.

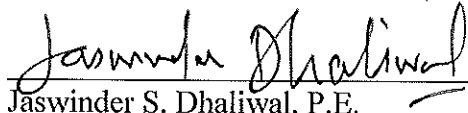
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11 **FURTHER ENFORCEMENT ACTION**

12 The California SDWA authorizes the State Board to: issue a citation with assessment of  
13 administrative penalties to a public water system for violation or continued violation of the  
14 requirements of the California SDWA or any regulation, permit, standard, citation, or order  
15 issued or adopted thereunder including, but not limited to, failure to correct a violation  
16 identified in a citation or compliance order. The California SDWA also authorizes the  
17 State Board to take action to suspend or revoke a permit that has been issued to a public  
18 water system if the public water system has violated applicable law or regulations or has  
19 failed to comply with an order of the State Board; and to petition the superior court to take  
20 various enforcement measures against a public water system that has failed to comply with  
21 an order of the State Board. The State Board does not waive any further enforcement  
22 action by issuance of this Citation.

23  
24 **CIVIL PENALTIES**

25 Section 116650, subsections (d) and (e) of the CHSC allow for the assessment of a civil  
26 penalty for failure to comply with the requirements of the Safe Drinking Water Act.  
27 Failure to comply with any provision of this Citation may result in the State Board

1 imposing a penalty in an amount not to exceed one thousand dollars (\$1,000) per day for  
2 each day that a violation occurred, and for each day that a violation continues to occur. A  
3 separate penalty may be assessed for each violation

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7

8 Jaswinder S. Dhaliwal, P.E.  
9 Senior Sanitary Engineer  
10 Tehachapi District (#19)  
11 State Water Resources Control Board  
12 Division of Drinking Water  
13

June 7, 2016  
Date

14  
15 Via Certified Mail No. 7015 1520 0000 4432 2066

16 Attachments

17  
18 Attachment A: Lead and Copper Guidance Document along with Form 141-AR  
19 Attachment B: Lead and Copper Public Notice Template  
20 Attachment C: Certification of Completion of Public Notification Form  
21  
22  
23 CC: Kern County Environmental Health Services Department (w/o attachments)  
24 Cranmer Engineering., Contract Sampler (via email)



## **Attachment A**

### **Lead and Copper Guidance Document and Form 141-AR**

# Lead and Copper Rule Sampling Guidance

For Water Systems Serving Population up to 10,000

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Prepared by: State Water Resources Control Board, Division of Drinking Water  
Southern California Drinking Water Field Operations Branch  
Tehachapi District  
4925 Commerce Drive, Suite 120  
Bakersfield, CA 93309  
Phone: (661) 335-7315 / FAX: (661) 335-7316

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This guidance document was developed to help water systems comply with the California Lead and Copper Rule. The Lead and Copper Rule requires community and nontransient-noncommunity water systems to monitor lead and copper levels at the consumers' taps. If action levels are exceeded, installation of corrosion control treatment is required. If the action level for lead is exceeded, public notification is required.

Lead Action Level = 0.015 mg/L

Copper Action Level = 1.3 mg/L

Compliance with the lead and copper action levels is based on the 90<sup>th</sup> percentile lead and copper levels. This means that the concentration of lead and copper must be less than or equal to the action level in at least 90% of the samples collected.

To help explain how to comply with the California Lead and Copper Rule, information on the following topics is included in this document:

- Section 1 - Number of Tap Sample Sites Required
- Section 2 - When to Sample
- Section 3 - Where to Sample
- Section 4 - How to Sample
- Section 5 - How to Calculate the 90<sup>th</sup> Percentile Lead and Copper Levels
- Section 6 - What to Do if You Exceed the Lead or Copper Action Level
- Section 7 - How to Report Your Sample Results
- Section 8 - Monitoring Waivers (Applicable Only to Systems Serving 3,300 or Fewer Persons)

Attachments to this document include:

1. "Homeowner Tap Sample Collection Procedures"
2. "Lead and Copper Results Worksheet"
3. Form 141-AR "Lead and Copper Rule Sampling Report"

## Section 1. Number of Tap Sample Sites Required

The number of tap sample sites required is shown in Table 1, and is based on the population served by your water system and if you are performing Standard or Reduced Monitoring.

**Table 1. Minimum Number of Tap Sample Sites Required**

System Population	Minimum Number of Tap Sample Sites	
	Standard Monitoring	Reduced Monitoring
3,301 to 10,000	40	20
501 to 3,300	20	10
101 to 500	10	5
Less than 101	5	5

## Section 2. When to Sample

- **Standard Monitoring:**

Each water system must complete at least two consecutive 6-month Standard Monitoring periods with no exceedance of the lead or copper action level before the frequency of sampling can be reduced. During each 6-month Standard Monitoring period, you must collect at least one tap sample from the number of sites shown in Table 1 under Standard Monitoring.

Therefore, during your first year of sampling, collect a set of samples in the first six months and a set of samples in the second six months. Samples must be analyzed for both lead and copper.

If at any time your 90<sup>th</sup> percentile lead or copper level exceeds the action level, you must contact this office for further guidance.

- **Reduced Monitoring:**

If you have completed two consecutive 6-month Standard Monitoring periods and the 90<sup>th</sup> percentile levels do not exceed 0.005 mg/L for lead and 0.65 mg/L for copper, you may reduce the number of tap sample sites as shown in Table 1, under Reduced Monitoring, and reduce the frequency at which you sample to once every three years.

If you have completed two consecutive 6-month Standard Monitoring periods and the 90<sup>th</sup> percentile levels are greater than 0.005 mg/L for lead and 0.65 mg/L for copper, but do not exceed the lead or copper action levels, you may reduce the number of tap sample sites as shown in Table 1, under Reduced Monitoring. You may also reduce the frequency at which you collect the samples to annual monitoring for two more years.

In the second and third years of sampling, collect one set of samples during the month of June, July, August or September. Samples must be analyzed for both lead and copper. After completing the third year of sampling, if there has been no exceedance of the lead or copper action level, collect one set of samples every three years during the month of June, July, August or September. Again, samples must be analyzed for both lead and copper.

If at any time your 90<sup>th</sup> percentile lead or copper level exceeds the action level, you must contact this office for further guidance.

### Section 3. Where to Sample

- Notes:
1. If lead service lines are present in the distribution system, at least half of the samples must come from the sites served by lead service lines.
  2. Do not sample from homes or buildings that have point-of-use treatment (e.g., water softener, carbon filter system, etc.).
  3. Each round of sampling should be conducted at the same sampling sites. If an original sampling site is not available, you should collect a tap sample from another site meeting the same Tier criteria as the original site.

- **Community Water Systems:**

Lead and copper tap samples must be collected from sampling locations that meet the following criteria:

Tier 1 - Single-family structures that contain:

- a) Lead pipes or
- b) Copper pipes with lead solder installed after 1982 or
- c) Pipes served by lead service lines.

If there are not enough Tier 1 sites available, samples must meet the following criteria:

Tier 2 - Buildings and multiple-family residences that contain:

- a) Lead pipes or
- b) Copper pipes with lead solder installed after 1982 or
- c) Pipes served by lead service lines.

If there are not enough Tier 1 and Tier 2 sites available, samples must meet the following criteria:

Tier 3 - Single-family structures that contain copper pipes with lead solder installed before 1983.

If there are not enough Tier 1, Tier 2, and Tier 3 sites available, samples must be collected from representative sites (i.e., plumbing materials commonly found at other sites) throughout the distribution system.

- **Nontransient-Noncommunity Water Systems:**

Lead and copper tap samples must be collected from sampling locations that meet the following criteria:

Tier 1 - Buildings that contain:

- a) Lead pipes or
- b) Copper pipes with lead solder installed after 1982 or
- c) Pipes served by lead service lines.

If there are not enough Tier 1 sites available, samples must meet the following criteria:

Tier 2 - Buildings that contain copper pipes with lead solder installed before 1983.

If additional sites are needed to complete the sampling pool, samples must be collected from representative sites.

## Section 4. How to Sample

Depending on the type of water system you operate, the following options are available for sample collection:

- a) You can collect the samples yourself using the procedures outlined below, or
- b) Residents of the water system can collect the samples for you. Letters are usually sent to find volunteers to participate in the sampling program. The attached sample collection instruction sheet must be sent to each participant. Residents collect the samples and complete the bottom portion of the instruction sheet. You collect the filled sample bottles and the completed instruction sheets from the residents. Sample bottles are then transported to the laboratory for analysis.

### Sample Procedures:

- 1) Samples from residential housing are to be taken from a kitchen or bathroom cold-water faucet. Do not sample from faucets that have point-of-use treatment (e.g., water softener, carbon filter system, etc.). Samples from a non-residential building are to be collected from an interior tap from which water is typically drawn for consumption.
- 2) Each sample must be collected after the water has stood undisturbed in the pipes for at least 6 hours, but not more than 12 hours. It is best to collect the sample first thing in the morning.
- 3) Each sample must be one liter in volume and must contain the first water drawn from the faucet.
- 4) Remove the cap from the one-liter sample bottle, place the container directly below the faucet and gently open the cold-water tap. Fill the sample bottle to the line marked "1-liter or 1,000-ml" and turn off the water.

Tightly cap the sample bottle and complete the required information on the sample bottle label.

- 5) All samples must be analyzed by a laboratory certified by the State to perform drinking water lead and copper analyses.

## Section 5. How to Calculate the 90<sup>th</sup> Percentile Lead and Copper Levels

Complete the attached "Lead and Copper Results Worksheet". If your 90<sup>th</sup> percentile lead level is greater than 0.015 mg/l, you have exceeded the action level. If your 90<sup>th</sup> percentile copper level is greater than 1.3 mg/l, you have exceeded the action level.

## Section 6. What to Do if You Exceed the Lead or Copper Action Level

If your 90<sup>th</sup> percentile lead or copper level exceeds the action level, you must contact this office for further guidance.

## Section 7. How to Report Your Sample Results

Upon completion of each sampling period, the following items must be submitted to the Tehachapi District Office, Southern California Drinking Water Field Operations Branch, State Water Resources Control Board-Division of Drinking Water:

- 1) A fully completed Form 141-AR (copy attached).
- 2) Laboratory copies of all sample results.
- 3) Completed "Lead and Copper Results Worksheet".

## **Section 8. Monitoring Waivers (Applicable Only to Systems Serving 3,300 or Fewer Persons)**

If your water system serves 3,300 or fewer people, you may apply to the Department for a waiver to reduce the tap sampling frequency for lead and copper to once every **nine** years. If you meet the following materials and monitoring criteria for both lead and copper, a full waiver will be granted. If you meet the materials and monitoring criteria for only one of the chemicals, a partial waiver that covers only that chemical will be granted.

- **Materials Criteria:**

You must provide certification and documentation that the distribution system and service lines and all drinking water supply plumbing, including plumbing conveying drinking water within all residences and buildings connected to the system, satisfy the following:

For lead, the system must be free of plastic pipes that contain lead plasticizers or plastic service lines that contain lead plasticizers, lead service lines, lead pipes, lead-soldered pipe joints, and leaded brass or bronze alloy fittings and fixtures, unless you can demonstrate that such fittings and fixtures will not leach lead into the drinking water.

For copper, the system must be free of copper pipes and copper service lines.

- **Monitoring Criteria:**

You must have conducted standard tap sampling for at least one six-month period and demonstrate that the 90<sup>th</sup> percentile levels for all periods of tap sampling conducted since the water system became free of all lead-containing and/or copper-containing materials do not exceed 0.005 mg/L for lead and 0.65 mg/L for copper. You must continue monitoring at the required frequency (Standard Monitoring or Reduced Monitoring) until a waiver is granted.



# Homeowner Tap Sample Collection Procedures

These samples are being collected to determine the lead and copper levels in your tap water. This sampling effort is required by the U.S. Environmental Protection Agency and your state, and is being accomplished through the cooperation of homeowners and residents.

## Tap Sample Collection Procedures:

- 1) Prior arrangements will be made to coordinate the sample collection event. Dates will be set for sample bottle delivery and pick-up by water system staff.
- 2) Samples are to be taken from a kitchen or bathroom cold-water faucet. Do not sample from faucets that have point-of-use treatment (e.g. water softener, carbon filter system, etc.).
- 3) Each sample must be collected after the water has stood undisturbed in the pipes for a minimum of 6 hours, but not more than 12 hours. Due to this requirement, it is best to collect the sample first thing in the morning.

- 4) Each sample must be one liter in volume and must contain the first water drawn from the faucet.
- 5) Remove the cap from the one-liter sample bottle, place the container directly below the faucet and gently open the cold-water tap. Fill the sample bottle to the line marked "1 liter or 1000-ml" and turn off the water.

Tightly cap the sample bottle and complete the required information on the sample bottle label. If the label has been partially completed for you, verify that the information is correct.

- 6) If any plumbing repairs or replacement has been done in the home since the previous sampling event, note this information below.
- 7) Complete the bottom portion of this instruction sheet.
- 8) Place the sample bottle and instruction sheet outside of the residence (in the same location as delivery) so they can be retrieved by water system staff.
- 9) Results of the sampling will be provided to the participants.

If you have any questions regarding these directions, call:

\_\_\_\_\_ *Contact Name*

\_\_\_\_\_ *Water System Name*

\_\_\_\_\_ *Phone Number*

### To Be Completed By Resident

Sample collection address: \_\_\_\_\_

Water was last used: Time \_\_\_\_\_ Date \_\_\_\_\_

Sample was collected: Time \_\_\_\_\_ Date \_\_\_\_\_

Plumbing repairs or replacement since last sampling event? \_\_\_\_\_

I have read the above directions and have taken a sample in accordance with these directions.

\_\_\_\_\_  
*Signature*

\_\_\_\_\_  
*Date*

## Lead and Copper Results Worksheet

System Name: \_\_\_\_\_

Sample Date(s): \_\_\_\_\_

Determine the 90th percentile lead and copper levels:

1. List all of the samples in Table 2 on the following page.
2. Circle the highest five values for both lead and copper.
3. Determine the 90<sup>th</sup> percentile lead level by following the instructions given in Table 1.

Write down the 90<sup>th</sup> percentile level for lead = \_\_\_\_\_ mg/L

*If the 90<sup>th</sup> percentile lead level is greater than 0.015 mg/L, you have exceeded the action level.*

4. Determine the 90<sup>th</sup> percentile copper level by following the instructions given in Table 1.

Write down the 90<sup>th</sup> percentile level for copper = \_\_\_\_\_ mg/L

*If the 90<sup>th</sup> percentile copper level is greater than 1.3 mg/L, you have exceeded the action level.*

**Table 1 - Determining the 90<sup>th</sup> Percentile Lead or Copper Level**

Number of Tap Samples Collected	How to Determine the 90 <sup>th</sup> Percentile Lead or Copper Level
5 to 7	Average the two highest sample results to get the 90 <sup>th</sup> percentile level.
8 to 12	The 90 <sup>th</sup> percentile level is the second highest sample result.
13 to 17	Average the second and third highest sample results to get the 90 <sup>th</sup> percentile level.
18 to 22	The 90 <sup>th</sup> percentile level is the third highest sample result.
38 to 42	The 90 <sup>th</sup> percentile level is the fifth highest sample result.

**Table 2 - Sample Results**

	Sample Address	Lead Level (mg/L)	Copper Level (mg/L)
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
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21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			

## LEAD AND COPPER RULE SAMPLING REPORT

System's Name: \_\_\_\_\_

Type: ☐ CWS ☐ NTNCWS

Address: \_\_\_\_\_

Size: ☐ >100,000☐ 50,001 to 100,000☐ 10,001 to 50,000☐ 3,301 to 10,000☐ 501 to 3,300☐ 101 to 500☐ ≤ 100

Telephone Number: \_\_\_\_\_

System ID Number: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Sample  
Date(s): \_\_\_\_\_

## SAMPLE SITE IDENTIFICATION

**Number of sample sites in each category:**

- Single-family structures with copper pipes with lead solder installed after 1982 or lead pipes or lead service lines \_\_\_\_\_
- Multi-family structures with copper pipes with lead solder installed after 1982 or lead pipes or lead service lines \_\_\_\_\_
- Buildings containing copper pipes with lead solder installed after 1982 or lead pipes or lead service lines \_\_\_\_\_
- Single family structures with copper pipes with lead solder installed before 1983 \_\_\_\_\_

Total: \_\_\_\_\_

Number of lead service lines present in the distribution system: \_\_\_\_\_

Number of samples collected from sites served by lead service lines: \_\_\_\_\_

**The following sources have been explored to determine the number of structures that have interior lead pipe or copper pipe with lead solder:**

- |  |   |
|--|---|
| <input type="checkbox"/> Plumbing and/or building codes  | <input type="checkbox"/> Interviews with building inspectors  |
| <input type="checkbox"/> Plumbing and/or building permits  | <input type="checkbox"/> Survey of service area plumbers about when and where lead solder was used from 1982 to present |
| <input type="checkbox"/> Contacts with the building department, municipal clerk's office, or state regulatory agencies | <input type="checkbox"/> Survey of residents  |
| <input type="checkbox"/> Water quality data  | <input type="checkbox"/> Interviews with local contractors & developers   |

**The following sources have been explored to determine the number of lead service lines in the distribution system:**

- ☐ Distribution system maps and record drawings
- ☐ Capital improvement plans and/or master plans for distribution system development
- ☐ Standard operating procedures and/or operation & maintenance manuals for the types of materials used for service connections
- ☐ Utility records including meter installations, customer complaint investigations
- ☐ Water quality data
- ☐ Interviews with senior personnel
- ☐ Conduct service line sampling where lead service lines are suspected to exist
- ☐ Review of permit files
- ☐ Survey of residents
- ☐ Interviews with local pipe supplies, contractors and/or developers

## RESULTS OF SAMPLING

**Results of Lead And Copper Tap Water Samples:** *(Attach copy of all results to this form.)*

Number of tap samples required: \_\_\_\_\_ 90<sup>th</sup> Percentile Lead Level: \_\_\_\_\_ mg/L

Number of tap samples collected & submitted: \_\_\_\_\_ 90<sup>th</sup> Percentile Copper Level: \_\_\_\_\_ mg/L

**Results of Water Quality Parameter (WQP) Samples:** *(Complete only if system is required to collect WQP samples.)*

Number of WQP samples required to be collected: \_\_\_\_\_

Number of WQP samples collected & submitted: \_\_\_\_\_

Number of WQP entry point samples required to be collected: \_\_\_\_\_

Number of WQP entry point samples collected and submitted: \_\_\_\_\_

## CERTIFICATION OF COLLECTION METHODS

**I certify that:**

- Each first draw tap sample for lead and copper is one liter in volume and has stood motionless in plumbing system of each sampling site for at least six hours.
- Each first draw sample collected from a single-family residence has been collected from the cold-water kitchen tap or bathroom sink tap.
- Each first draw sample collected from a non-residential building has been collected at an interior tap from which water is typically drawn for consumption.
- Each first draw sample collected during an annual or triennial monitoring period has been collected in months of June, July, August, or September.
- Each resident who volunteered to collect tap water samples from his or her home has been properly instructed in the proper methods for collecting lead and copper samples. I do not challenge the accuracy of those sampling results.
- Enclosed is a copy of the material distributed to residents explaining the proper collection methods, and a list of the residents who performed sampling.

## CHANGE OF SAMPLING SITES

Original site address: \_\_\_\_\_

New site address: \_\_\_\_\_

Distance between sites (approximately): \_\_\_\_\_

Targeting Criteria:	New Site:	<input type="checkbox"/> Tier 1 <input type="checkbox"/> Tier 2 <input type="checkbox"/> Tier 3	Old Site:	<input type="checkbox"/> Tier 1 <input type="checkbox"/> Tier 2 <input type="checkbox"/> Tier 3
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Reason for sample site change:

\_\_\_\_\_  
 \_\_\_\_\_

**SIGNATURE:**

**DATE:**

\_\_\_\_\_  
 Print Name

\_\_\_\_\_  
 Title

## **Attachment B**

### **Lead and Copper Public Notice Template**

## IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Este informe contiene información muy importante sobre su agua potable.  
Tradúzcalo o hable con alguien que lo entienda bien.

### Lead and Copper Tap Sampling Monitoring Requirements Not Met for USFS – Havilah Work Center Water System

United State Forest Service (USFS) – Havilah Work Center Water System has failed to monitor as required for a drinking water monitoring standard during the calendar years 2013, 2014, and 2015 and therefore was in violation of the monitoring and reporting regulations. As our customers, you have a right to know what you should do, what happened and what are doing to correct this situation.

*We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During the calendar years 2013, 2014 and 2015, we failed to conduct lead and copper tap sampling and therefore cannot be sure of the quality of our drinking water during that time.*

#### What should I do?

- There is nothing you need to do at this time.
- The table below lists the contaminant we did not properly test for during 2013, 2014, and 2015; how many samples we are required to take and how often, how many samples we took when samples should have been taken, and the date on which the most recent lead and copper samples were taken.

Required Number of Distribution Sites	Contaminants	Required sampling frequency	Number of samples taken	Last sample date
5	Lead and Copper	Two rounds of Initial Sampling (every 6 months)	0 (None)	none
5	Lead and Copper	One round annually	0 (none)	none

- If you have health issues concerning the consumption of this water, you may wish to consult your doctor.

#### What happened? What is being done?

We have been directed by the State Water Resources Control Board to collect the required first round of initial lead and copper tap samples in June 2016, second round of initial samples in December 2016, and continued sampling afterwards, as required by Title 22, California Code of Regulations. We plan to collect the samples, as directed. For more information, please contact Peter Landucci, Environmental Engineer at 559-784-1500 EXT. 1302.

*Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.*

Date Distributed & Posted: \_\_\_\_\_

Peter Landucci, Environmental Engineer  
USFS – Havilah Work Center Water System (1502572)

## **Attachment C**

### **Certification of Completion of Public Notification Form**



**Certification of Completion of Public Notification**  
**(Include a Copy of Public Notice with the Certification of Public Notification)**

This form, when completed and returned to the Division of Drinking Water – Tehachapi District (4925 Commerce Drive, Suite 120, Bakersfield, CA 93309 or fax to 661-335-7316), serves as certification that public notification to water users was completed as required by Title 22, California Code of Regulations, Sections 64463-64465.

**Public Water System Name:** USFS – Havilah Work Center Water System

**Public Water System No.:** 1502572

Public notification for **failure to comply with the Lead and Copper Initial and Annual Tap Sampling for Calendar years 2013, 2014, and 2015** was performed by the following method(s) (check and complete those that apply):

- ☐ The notice was mailed to users on: \_\_\_\_\_  
A copy of the notice is attached.
- ☐ The notice was hand delivered to water customers on: \_\_\_\_\_  
A copy of the notice is attached.
- ☐ The notice was published in the local newspaper on: \_\_\_\_\_  
A copy of the newspaper notice is attached.
- ☐ The notice was posted at conspicuous places on: \_\_\_\_\_  
A copy of the notice is attached.  
A list of locations the notice was posted is attached.
- ☐ The notice was delivered to community organizations on: \_\_\_\_\_  
A copy of the notice is attached.  
A list of community organizations the notice was delivered to is attached.

I hereby certify that the above information is factual.

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Title

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**Disclosure:** Be advised that Section 116725 and 116730 of the California Health and Safety Code state that any person who knowingly makes any false statement on any report or document submitted for the purpose of compliance with the attached order may be liable for a civil penalty not to exceed five thousand dollars (\$5,000) for separate violation each day that the violation continues. In addition, the violators may be prosecuted in criminal court and, upon conviction, be punished by a fine of not more than \$25,000 for each day of violation, or be imprisoned in the county jail not to exceed one year, or by both the fine and imprisonment.

**Due to the Division of Drinking Water within 10 days of issuance of notice to customers and no later than July 10, 2016**

Enforcement Action No. 03-19-16C-033